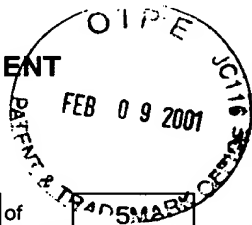


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Applicant: LITOVITZ, Theodore A.

Appl. No.: 09/737,546

Filing Date: December 18, 2000

Examiner:

Group Art Unit:

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Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
PLA	AR 5,450,859	09/19/95	LITOVITZ			
	BR 5,544,665	08/13/96	LITOVITZ			
ALR	CR 5,566,685	10/22/96	LITOVITZ			
	DR 5,968,527	10/19/99	LITOVITZ			

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ER				Enclosed	No

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PLA	FR	Aquino DA, et al., "Multiple sclerosis: altered expression of 70- and 27-jDa heat shock proteins in lesions and myelin," J. Neuropathol. Exp. Neurol. 1997;56(6):664-672			
	GR	Birnbaum G, et al., "Heat shock or stress proteins and their role as auto-antigens in multiple sclerosis," Ann. NY Acad. Sci. 1997;835:157-167.			
	HR	Blank M, et al., "Changes in polypeptide distribution stimulated by different levels of electro-magnetic and thermal stress," Bioelectrochemistry and Bioenergetics 1994;33:109-114			
	IR	Boehncke WH, et al., "Differential expression heat shock protein 70 (HSP70) and heat shock cognate proteins 70 (HSC70) in human epidermis," Arch. Dermatol. Res. 1994; 287(1):68-71.			
	JR	Borrelli MJ, et al., "Thermotolerance expression in mitotic CHO cells without increased translation of heat shock proteins," J. Cell Physiol. 1988;169:420-8.			
	KR	Cadossi R, et al., "Effect of low frequency low energy pulsing electromagnetic fields on mice injected with cyclophosphamide," Exp. Hematol. 1991;19:196-201			
	LR	Chang BK, et al., "Inhibition of DNA synthesis and enhancement of the uptake and action of methotrexate by low -power-density microwave radiation in L1210 leukemic cells," Cancer Res. 1980;40:1002-1005.			
	MR	Currie RW, et al., "Heat-shock response is associated with enhanced postischemic ventricular recovery" Circ.Res. 1988;63:543-549			
	NR	Detlavs I, et al., "Experimental study of the effects of radiofrequency electromagnetic fields on animals with soft tissue wounds," Sci.Total.Environ. 1996;180:35-42			
	OR	Di Carlo AL, et al., "Myocardial protection conferred by electromagnetic fields,) Circulation 1999;99:813-816			
PLA	PR	Di Carlo AL, et al., "Short-Term Magnetic Field Exposures (60 Hz) Induce Protection Against Ultraviolet Radiation Damage," Int.J.Radiat.Biol. 1998;75:1541-1550			

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Date Considered: 6-26-2003

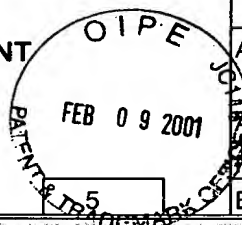
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**INFORMATION DISCLOSURE STATEMENT  
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Applicant: LITOVITZ, T.A.

Appln. No.: 09/737,546

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CR	Dindar H, et al., "The effect of electromagnetic field stimulation on corticosteroids-inhibited intestinal wound healing," Tokai J. Exp. Clin. Med. 1993;18:49-55				
DR	Donnelly TJ, et al., "Heat shock protein induction in rat hearts. A role for improved myocardial salvage after ischemia and reperfusion?," Circulation 1992;85:769-778				
ER	Essele KP, et al., "Coil optimization for neural stimulation with magnetic field," in Electricity and Magnetism in Biology and Medicine, Blank M, Ed. San Francisco Press, Inc. CA. p. 736-7, 1993				
FR	Fitzsimmons RJ, et al., "Embryonic bone matrix formation is increased after exposure to a low- amplitude capacitively coupled electric field, in vitro," Biochim. Biophys. Acta 1986;882:51-56				
GR	Fuks Z, et al., "Basic fibroblast growth factor protects endothelial cells against radiation-induced programmed cell death in vitro and in vivo," Cancer Res. 1994;54:2582-90				
HR	Goodman R, et al., "Increased levels of HSP70 transcripts induced when cells are exposed to low frequency electromagnetic fields," Bioelectrochemistry and Bioenergetics 1994;33:115-120				
IR	Gordon, SA, et al., "Induction of heat shock protein 70 protects thymocytes against radiation-induced apoptosis," Arch. Surg. 1997;132:1277-82				
JR	Han L, et al., "Application of magnetic field-induced heat shock protein 70 for presurgical cytoprotection," J. Cell Biochem. 1998;71:577-583				
KR	He L et al., "Variation of heat shock protein 70 through the cell cycle in HL-60 cells and its relationship to apoptosis," Exp. Cell Res. 1997;232:64-71				
LR	Hutter MM, et al., "Heat-shock protein induction in rat hearts. A direct correlation between the amount of heat-shock protein induced and the degree of myocardial protection," Circulation 1994;89:355-360				
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OR	Korner G, et al., "Effects of ionizing irradiation on endothelial cell transglutaminase," FEBS Lett. 1993;330:41-5				

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Applicant: LITOVITZ, T.A.

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DR	Martin DF, et al., "Radiation sensitivity of cultured rabbit aortic endothelial cells," IJROBP 1984;10:1903-6				
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GR	McMillan DR, et al., "Targeted disruption of heat shock transcription factor 1 abolishes thermotolerance and protection against heat-inducible apoptosis," J. Biol. Chem. 1998;273:7523-8				
HR	Mestrl R, et al., "Expression of inducible stress protein 70 in rat heart myogenic cells confers protection against simulated ischemia-induced injury," J.Clin.Invest. 1994;93:759-767				
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JR	Morimoto R, et al., "Cell-specific expression of heat shock proteins in chicken reticulocytes and lymphocytes," J.Cell Biol. 1984;99:1316-1323				
KR	Omote Y, et al., "Treatment of experimental tumors with a combination of a pulsing magnetic field and an antitumor drug," Jpn. J. Cancer Res. 1990;81:956-961				
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OR	Ritossa FM, "A new puffing pattern induced by heat shock and DNP in Drosophila," Experientia 1962;18:571-573				
PR	Ruiter GA, et al., "Alkyl-lysophospholipids activate the SAPK/JNK pathway and enhance radiation-induced apoptosis," Cancer Res 1999;59:2457-63				

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**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Applicant: LITOVITZ, Theodore A.

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DR	Samali A, et al., "Heat shock proteins increase resistance to apoptosis," Exp. Cell Res. 1996;223(1):163-170				
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HR	Tosi P, et al., "Reduction of heat-shock protein-70 after prolonged treatment with retinoids: biological and clinical implications," Am.J. Hematol. 1997;56(3):143-150				
IR	Trautinger F, et al., "Over expression of the small heat shock protein, hsp27, confers resistance to hyperthermia, but not to oxidative stress and UV-induced cell death, in a stably transfected squamous cell carcinoma cell line," J. Photochem. Photobiol. B 1997;39:90-5				
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KR	Ueno S, et al., "Vectorial magnetic stimulation of the human brain," in Electricity and Magnetism in Biology and Medicine, Blank M, Ed. San Francisco Press, Inc. CA. p. 733-4, 1993				
LR	Walker DM, et al., "Heat stress limits infarct size in the isolated perfused rabbit heart," Cardiovasc.Res. 1993;27:962-967				
MR	Walter RJ, et al., "60-Hz electric fields inhibit protein kinase C activity and multidrug resistance gene (MDR1) up-regulation," Rad. Res. 1997;147:369-75				
NR	Watters D, "Molecular mechanisms of ionizing radiation-induced apoptosis," Immunol. Cell Biol. 1999;77:263-71				
OR	Xu M, et al., "Intracellular distribution of hsp70 during long duration moderate hyperthermia," Int. J. Hyperthermia 1998;14:211-25				
PR	Miyakoshi, J.M., et al., "Long-term Exposure to a Magnetic Field (5 mT at 60Hz) Increases X-ray-induced Mutations," J. Radiat. Res., 40, 13-21 (1999).				

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Date Considered: 6-25-2001

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Applicant: LITOVITZ, Theodore A.

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Group Art Unit: TBD

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	RR				
	SR				
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VR	Svedenstal, B.-M., et al., "Lymphoma development among mice exposed to X-rays and pulsed magnetic fields," Int. J. Radiat. Biol., 1993, vol. 65, no. 1, 119-125
WR	Walleczek, J., et al., "Increase in Radiation-Induced HPRT Gene Mutation Frequency after Nonthermal Exposure to Nonionizing 60 Hz Electromagnetic Fields," Radiation Research 151, 489-97 (1999)
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